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# **Technical Requirements Data Assessment**

## ***Introduction***

HIPAA defines a data element as the smallest unit of named information. A segment is a group of related data elements that tend to occur together (e.g., street address, city and state). A segment may repeat or may be part of a loop that repeats. Of the 163 required data elements in all of the required 834 Transaction segments, the required data element values consist of data from external sources such as the FAME Extract file, Health Insurance Database (HISDB), and others.

## ***Current FAME File Extract***

The FAME Extract file layout is the format currently used to provide Plans with multiple types of information, including but not limited to beneficiary benefit enrollment and disenrollment information. The file layout is provided in the COBOL copybook member FAM16REC, Attachment A – FAME Extract File Layout. This layout is used for both the COHS and non-COHS extracts.

## ***Health Insurance Database***

HISDB is a repository for all historical data relative to a subscriber. Information on this file is used to populate prior name and address elements within the 834 Transaction. The file layout is provided in COBOL copybook member HISDB in Attachment B – HISDB File Layout.

## ***HIPAA 834 Transaction Set Format***

The mandated 834 Transaction format is defined in two separate documents entitled *Benefit Enrollment and Maintenance 834 ASC X12N 834 004010X095* and the *Addenda to the Benefit Enrollment and Maintenance 834 ASC X12N 834 004010X095A1*. These documents provide standardized data requirements and content to users of Version 004010 of ANSI ASC X12.84, Benefit Enrollment, and Maintenance 834. The 834 Transaction is used to transfer enrollment-based information from the sponsor of the insurance coverage, benefits, or policy to a payer.

Some data elements are derived values based on transaction usage. Therefore, there may not be a direct correlation between the total number of required data elements and external data sources. To obtain an exact field-by-field description in extended format, please refer to the *834 Benefits Enrollment and Maintenance Technical Requirements Document*.

## **Required Data Elements and Segments for the 834 Transaction Implementation**

The following is a high-level data analysis summary of the 834 Transaction compliance requirements.

1. Fifteen (15) data segments are required in an 834 Transaction, and 163 data elements make up those 15 data segments.
2. Fifty (50) data elements in those 15 data segments in an 834 Transaction are derived based on usage.
3. Thirty-one (31) data elements in an 834 Transaction can be directly mapped from the FAME extract, HISDB, or other sources to an 834 Transaction.
4. The four (4) 834 Transaction required data elements that have no match on the FAME extract file are:
  - DHS Taxpayer Identification Number TIN
  - Plan TIN
  - COB Eligibility Dates
  - Other Insurance Company Name
5. Eighty-three (83) data elements that are on the FAME file are not needed for CA-DHS usage.

## **Local Code Mappings**

This section identifies non-medical local codes on the FAME extract that cannot be mapped to the mandated code sets on the 834 Transaction. Remediation of non-medical local codes is outside the charter of the OHC HIPAA Codes Sets Rule Project; therefore, any non-medical/ local codes are addressed at the transaction level.

There are three (3) FAME fields that contain non-medical local codes that do not correspond to required 834 Transaction data element codes:

- Language Code
- Ethnicity Code
- Alien Code

Each of these codes is fully described in the *GAP Analysis – Extract to 834* document, in addition to separate documents.

- **Language Code Mappings - FAME to 834** provides a cross walk of the MEDS Language Codes to the 834 Transaction Language Codes. The Language Code can be accommodated readily in the 834 Transaction.
- **Ethnicity Code Mappings - FAME to 834** provides a side-by-side comparison of the existing FAME Ethnicity Codes to the 834 Transaction Ethnicity Codes.
- **Alien Codes - FAME to 834** provides a side-by-side comparison of the existing FAME Citizenship Codes and how they map to the 834 Transaction Alien Codes.

The Ethnicity Code and the Alien Code, per the Benefit Enrollment and Maintenance Implementation Guide for ASC X12N 834, for Member Demographics elements DMG05 and DMG06, *should only be transmitted when such transmission is required under the insurance contract between the sponsor and payer and allowed by federal and state regulations.*

## ***Segments and Data Descriptions***

The fifteen (15) mandatory data segments required in an 834 Transaction are:

| Requirement Number | 834 Transaction Segment Name                |
|--------------------|---|
| 7.01               | ST – Header                                 |
| 7.02               | BGN – Beginning Segment                     |
| 7.03               | N1 – Name                                   |
| 7.04               | INS – Insured Benefit                       |
| 7.05               | REF – Reference Identification              |
| 7.06               | DTP – Date or Time or Period                |
| 7.07               | NM1 – Individual Name or Organization       |
| 7.08               | PER – Administrative Communications Contact |
| 7.09               | N3 – Address Information                    |
| 7.10               | N4 – Geographic Location                    |
| 7.11               | DMG – Demographic Information               |
| 7.12               | LUI – Language Use                          |
| 7.13               | HD – Health Coverage                        |
| 7.14               | DTP – Disability Eligibility Dates          |
| 7.15               | SE – Trailer                                |

The fifty (50) mandatory data elements derived based on usage are:

| <b>Requirement Number</b> | <b>834 Transaction Segment-Data Element Name</b> | <b>834 Transaction Data Element Usage</b>             |
|---------------------------|--|---|
| 8.01                      | ST02   | Sequential Number – system assigned                   |
| 8.02                      | BGN01  | Coded value – 00                                      |
| 8.03                      | BGN03  | File creation date – system assigned                  |
| 8.04                      | BGN04  | File creation time – system assigned                  |
| 8.05                      | BGN08  | Type of file – system assigned; coded value – 02 – 04 |
| 8.06                      | DTP01  | Coded value   |
| 8.07                      | DTP02  | Coded value – D8                                      |
| 8.08                      | DTP03  | System assigned date                                  |
| 8.09                      | N101   | Coded value – P5                                      |
| 8.10                      | N103   | Coded value – FI                                      |
| 8.11                      | N104   | Coded value – ID code of sponsor                      |
| 8.12                      | N101   | Coded value – IN                                      |
| 8.13                      | N103   | Coded value – FI                                      |
| 8.14                      | INS01  | Coded value – Y                                       |
| 8.15                      | INS02  | Coded value – 18                                      |
| 8.16                      | INS03  | System assigned, coded value – 001, 021, 024, 030     |
| 8.17                      | INS05  | Coded value – A                                       |
| 8.18                      | REF01  | Coded value – 0F                                      |
| 8.19                      | REF01  | Coded value – 3H                                      |
| 8.20                      | REF01  | Coded value – 17                                      |
| 8.21                      | REF01  | Coded value – 23                                      |
| 8.22                      | REF01  | Coded value – F6                                      |
| 8.23                      | REF01  | Coded value – Q4                                      |
| 8.24                      | DTP01  | Coded value   |
| 8.25                      | DTP02  | Coded value – D8                                      |
| 8.26                      | DTP03  | System assigned date                                  |
| 8.27                      | NM101  | Coded value – IL, 74                                  |
| 8.28                      | NM102  | Coded value – 1                                       |
| 8.29                      | PER01  | Coded value – IP                                      |
| 8.30                      | PER03  | Coded value – TE                                      |
| 8.31                      | DMG01  | Coded value – D8                                      |
| 8.32                      | LUI01  | Coded value – LE                                      |
| 8.33                      | NM101  | Coded value – 70                                      |

| <b>Requirement Number</b> | <b>834 Transaction Segment-Data Element Name</b> | <b>834 Transaction Data Element Usage</b> |
|---------------------------|--|---|
| 8.34                      | NM102  | Coded value – 1                           |
| 8.35                      | DMG01  | Coded value – D8                          |
| 8.36                      | DMG03  | Coded value – F, M, U                     |
| 8.37                      | DSB01  | Coded value – 1,2,3, or 4                 |
| 8.38                      | DTP01  | Coded value – 360, 361                    |
| 8.39                      | DTP02  | Coded value – D8                          |
| 8.40                      | HD01   | Coded value – 001, 021, 024, 030          |
| 8.41                      | HD03   | Coded value – HLT                         |
| 8.42                      | DTP01  | Coded value – 303, 348, 349               |
| 8.43                      | DTP02  | Coded value – D8                          |
| 8.44                      | COB01  | Coded value – U                           |
| 8.45                      | COB03  | Coded value – 1                           |
| 8.46                      | N101   | Coded value – IN                          |
| 8.47                      | DTP01  | Coded value – 344, 345                    |
| 8.48                      | DTP02  | Coded value – D8                          |
| 8.49                      | SE01   | System assigned                           |
| 8.50                      | SE02   | System assigned                           |

The thirty-one (31) mandatory data elements directly mapped from either the FAME Extract file, HISDB, or other sources are:

| <b>Requirement Number</b> | <b>Data Source</b> | <b>834 Transaction Data Element Name</b> |
|---------------------------|--------------------|--|
| 9.01                      | FAME               | Segment ID                               |
| 9.02                      | FAME               | Health Plan Code                         |
| 9.03                      | FAME               | HCP Status                               |
| 9.04                      | FAME               | Medicare Indicator                       |
| 9.05                      | FAME               | AID Code for handicap                    |
| 9.06                      | FAME               | Death Date                               |
| 9.07                      | FAME               | MEDS ID                                  |
| 9.08                      | FAME               | Case Number                              |
| 9.09                      | FAME               | Client Index Number                      |
| 9.10                      | FAME               | Prior MEDS ID                            |
| 9.11                      | FAME               | HCP Last Name                            |
| 9.12                      | FAME               | HCP First Name                           |
| 9.13                      | FAME               | HCP Middle Name                          |
| 9.14                      | FAME               | Beneficiary Phone Number                 |
| 9.15                      | FAME               | Residence Address                        |
| 9.16                      | FAME               | Residence City                           |
| 9.17                      | FAME               | Residence State                          |
| 9.18                      | FAME               | Residence ZIP                            |
| 9.19                      | FAME               | Residence County Code                    |
| 9.20                      | FAME               | Date of Birth                            |
| 9.21                      | FAME               | Sex                                      |
| 9.22                      | FAME               | Language Code                            |
| 9.23                      | FAME               | Disability Date                          |
| 9.24                      | FAME               | Primary Aid Code                         |
| 9.25                      | FAME               | Spec AID Code                            |
| 9.26                      | FAME               | CAP AID                                  |
| 9.27                      | MEDS               | Renewal Date                             |
| 9.28                      | HISDB              | Other Health Coverage                    |
| 9.29                      | HISDB              | Other Insurance Company Name             |
| 9.30                      | CALSTRS            | HCP FEIN                                 |
| 9.31                      | HISDB              | Date                                     |

The four (4) mandatory 834 Transaction data elements without matching data elements on the FAME extract file are listed below. The data for these four elements may be extracted from the databases listed.

| <b>Requirement Number</b> | <b>Data Source</b> | <b>834 Transaction Data Element Name</b> |
|---------------------------|--------------------|--|
| 10.01                     | CALSTRS            | DHS Taxpayer Identification Number TIN   |
| 10.02                     | CALSTRS            | Health Plan Tin                          |
| 10.03                     | HISDB              | COB Eligibility Dates                    |
| 10.04                     | CALSTRS            | Other Insurance Company Name             |

Additionally, there are eighty-three (83) data elements on the 834 Transaction that have been identified as unnecessary for CA-DHS usage. Although these elements will not be used within the 834-project, they are listed below for reference.

| <b>834 Transaction Segment Name</b> | <b>Reference Designator</b> | <b>Data Element Number</b> | <b>Implementation Guide Page Number</b> |
|-------------------------------------|-----------------------------|----------------------------|---|
| Transaction Type Code               | BGN07                       | 640                        | 31                                      |
| Security Level Code                 | BGN09                       | 786                        | 31                                      |
| Description                         | REF03                       | 352                        | 33                                      |
| Reference Identifier                | REF04                       | C040                       | 33                                      |
| Entity Identifier Code              | N106                        | 98                         | 36                                      |
| Confidentiality Code                | INS13                       | 1165                       | 50                                      |
| City Name                           | INS14                       | 19                         | 50                                      |
| State or Province Code              | INS15                       | 156                        | 50                                      |
| Country Code                        | INS16                       | 26                         | 50                                      |
| Birth Sequence Number               | INS17                       | 1470                       | 50                                      |
| Description                         | REF03                       | 352                        | 52                                      |
| Description                         | REF03                       | 352                        | 52                                      |
| Description                         | REF03                       | 352                        | 52                                      |
| Description                         | REF03                       | 352                        | 52                                      |
| Reference Identifier                | REF04                       | C040                       | 52                                      |
| Reference Identifier                | REF04                       | C040                       | 52                                      |
| Reference Identifier                | REF04                       | C040                       | 52                                      |
| Reference Identifier                | REF04                       | C040                       | 52                                      |
| Country Code                        | DMG07                       | 26                         | 72                                      |
| Basis of Verification Code          | DMG08                       | 659                        | 72                                      |
| Quantity                            | DMG09                       | 380                        | 72                                      |
| Language Proficiency Indicator      | LUI05                       | 1476                       | 79                                      |
| Entity Relationship Code            | NM110                       | 706                        | 82                                      |
| Entity Identifier Code              | NM111                       | 98                         | 82                                      |
| Name                                | PER02                       | 93                         | 93                                      |
| Contact Inquiry Reference           | PER09                       | 443                        | 94                                      |
| Marital Status Code                 | DMG04                       | 1067                       | 84                                      |
| Race or Ethnicity Code              | DMG05                       | 1109                       | 84                                      |
| Citizenship Status Code             | DMG06                       | 1066                       | 84                                      |
| Country Code                        | DMG07                       | 26                         | 84                                      |
| Basis of Verification Code          | DMG08                       | 659                        | 84                                      |
| Quantity                            | DMG09                       | 380                        | 84                                      |
| Entity Relationship Code            | NM110                       | 706                        | 86                                      |

| <b>834 Transaction Segment Name</b> | <b>Reference Designator</b> | <b>Data Element Number</b> | <b>Implementation Guide Page Number</b> |
|-------------------------------------|-----------------------------|----------------------------|---|
| Entity Identifier Code              | NM111                       | 98                         | 86                                      |
| Location Qualifier                  | N405                        | 309                        | 69                                      |
| Location Identifier                 | N406                        | 310                        | 69                                      |
| Name Last or Organization Name      | NM103                       | 1035                       | 81                                      |
| Name First                          | NM104                       | 1036                       | 81                                      |
| Name Middle                         | NM105                       | 1037                       | 81                                      |
| Name Prefix                         | NM106                       | 1038                       | 81                                      |
| Name Suffix                         | NM107                       | 1039                       | 81                                      |
| Identification Code Qualifier       | NM108                       | 66                         | 82                                      |
| Identification Code                 | NM109                       | 67                         | 82                                      |
| Entity Relationship Code            | NM110                       | 706                        | 82                                      |
| Entity Identifier Code              | NM111                       | 98                         | 82                                      |
| Location Qualifier                  | N405                        | 309                        | 89                                      |
| Location Identifier                 | N406                        | 310                        | 89                                      |
| Name Prefix                         | NM106                       | 1038                       | 91                                      |
| Entity Relationship Code            | NM110                       | 706                        | 91                                      |
| Entity Identifier Code              | NM111                       | 98                         | 91                                      |
| Name                                | PER02                       | 93                         | 93                                      |
| Contact Inquiry Reference           | PER09                       | 443                        | 94                                      |
| Name First                          | NM104                       | 1036                       | 99                                      |
| Name Middle                         | NM105                       | 1037                       | 99                                      |
| Name Prefix                         | NM106                       | 1038                       | 99                                      |
| Name Suffix                         | NM107                       | 1039                       | 99                                      |
| Identification Code Qualifier       | NM108                       | 66                         | 99                                      |
| Identification Code                 | NM109                       | 67                         | 99                                      |
| Entity Relationship Code            | NM110                       | 706                        | 99                                      |
| Entity Identifier Code              | NM111                       | 98                         | 99                                      |
| Quantity                            | DSB02                       | 380                        | 125                                     |
| Occupation Code                     | DSB03                       | 1149                       | 125                                     |
| Work Intensity Code                 | DSB04                       | 1154                       | 125                                     |
| Product Option Code                 | DSB05                       | 1161                       | 125                                     |
| Monetary Amount                     | DSB06                       | 782                        | 125                                     |
| Credit/Debit Flag Code              | AMT03                       | 478                        | 134                                     |
| Maintenance Reason Code             | HD02                        | 1203                       | 129                                     |
| Count                               | HD06                        | 609                        | 131                                     |
| Count                               | HD07                        | 609                        | 131                                     |
| Underwriting Decision Code          | HD08                        | 1209                       | 131                                     |

| <b>834 Transaction Segment Name</b> | <b>Reference Designator</b> | <b>Data Element Number</b> | <b>Implementation Guide Page Number</b> |
|-------------------------------------|-----------------------------|----------------------------|---|
| Yes/No Condition or Response Code   | HD09                        | 1073                       | 131                                     |
| Drug House Code                     | HD10                        | 1211                       | 131                                     |
| Yes/No Condition or Response Code   | HD11                        | 1073                       | 131                                     |
| Description                         | REF03                       | 352                        | 136                                     |
| Reference Identifier                | REF04                       | C040                       | 136                                     |
| Entity Identifier Code              | NM111                       | 98                         | 142                                     |
| Name                                | PER02                       | 93                         | 146                                     |
| Contact Inquiry Reference           | PER09                       | 443                        | 146                                     |
| Time                                | PLA04                       | 337                        | 149                                     |
| Entity Relationship Code            | N105                        | 706                        | 155                                     |
| Entity Identifier Code              | N106                        | 98                         | 155                                     |
| Description                         | REF03                       | 352                        | 136                                     |
| Reference Identifier                | REF04                       | C040                       | 136                                     |